RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _10/687,523_
Source: _1Fw1b_
Date Processed by STIC: _12/21/05_

ENTERED

IFW16

RAW SEQUENCE LISTING   DATE: 12/21/2005
PATENT APPLICATION: **US/10/687,523**   TIME: 09:26:12

Input Set : **A:\WWELL73.007AUS.TXT**
Output Set: **N:\CRF4\12212005\J687523.raw**

```
 4 <110> APPLICANT: Lang, Florian
 5         Waldegger, Siegfried
 6         Lang, Philipp
 7         Lampert, Angelika
 8         Seybert, Hannsjoerg
 9         Jeck, Nikola
11 <120> TITLE OF INVENTION: ClCKb MUTATION AS A DIAGNOSTIC AND
12         THERAPEUTIC TARGET
14 <130> FILE REFERENCE: WWELL73.007AUS
16 <140> CURRENT APPLICATION NUMBER: US 10/687,523
17 <141> CURRENT FILING DATE: 2003-10-15
19 <160> NUMBER OF SEQ ID NOS: 1
21 <170> SOFTWARE: FastSEQ for Windows Version 4.0
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 687
25 <212> TYPE: PRT
26 <213> ORGANISM: Homo sapiens
28 <400> SEQUENCE: 1
29 Met Glu Glu Phe Val Gly Leu Arg Glu Gly Ser Ser Gly Asn Pro Val
30  1               5                  10                  15
31 Thr Leu Gln Glu Leu Trp Gly Pro Cys Pro Leu Ile Arg Arg Gly Ile
32             20                  25                  30
33 Arg Gly Gly Leu Glu Trp Leu Lys Gln Lys Leu Phe Arg Leu Gly Glu
34         35                  40                  45
35 Asp Trp Tyr Phe Leu Met Thr Leu Gly Val Leu Met Ala Leu Val Ser
36      50                  55                  60
37 Cys Ala Met Asp Leu Ala Val Glu Ser Val Val Arg Ala His Gln Trp
38 65                  70                  75                  80
39 Leu Tyr Arg Glu Ile Gly Asp Ser His Leu Leu Arg Tyr Leu Ser Trp
40             85                  90                  95
41 Thr Val Tyr Pro Val Ala Leu Val Ser Phe Ser Ser Gly Phe Ser Gln
42             100                 105                 110
43 Ser Ile Thr Pro Ser Ser Gly Gly Ser Gly Ile Pro Glu Val Lys Thr
44             115                 120                 125
45 Met Leu Ala Gly Val Val Leu Glu Asp Tyr Leu Asp Ile Lys Asn Phe
46      130                 135                 140
47 Gly Ala Lys Val Val Gly Leu Ser Cys Thr Leu Ala Cys Gly Ser Thr
48 145                 150                 155                 160
49 Leu Phe Leu Gly Lys Val Gly Pro Phe Val His Leu Ser Val Met Met
50             165                 170                 175
51 Ala Ala Tyr Leu Gly Arg Val Arg Thr Thr Thr Ile Gly Glu Pro Glu
52             180                 185                 190
53 Asn Lys Ser Lys Gln Asn Glu Met Leu Val Ala Ala Ala Ala Val Gly
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```
54        195              200              205
55 Val Ala Thr Val Phe Gly Ala Pro Phe Ser Gly Val Leu Phe Ser Ile
56     210              215              220
57 Glu Val Met Ser Ser His Phe Ser Val Trp Asp Tyr Trp Arg Gly Phe
58 225              230              235              240
59 Phe Ala Ala Thr Cys Gly Ala Phe Met Phe Arg Leu Leu Ala Val Phe
60             245              250              255
61 Asn Ser Glu Gln Glu Thr Ile Thr Ser Leu Tyr Lys Thr Ser Phe Arg
62             260              265              270
63 Val Asp Val Pro Phe Asp Leu Pro Glu Ile Phe Phe Phe Val Val Leu
64     275              280              285
65 Gly Gly Leu Cys Gly Ile Leu Gly Ser Ala Tyr Leu Phe Cys Gln Arg
66     290              295              300
67 Ile Phe Phe Gly Phe Ile Arg Asn Asn Arg Phe Ser Ser Lys Leu Leu
68 305              310              315              320
69 Ala Thr Ser Lys Pro Val Tyr Ser Ala Leu Ala Thr Leu Val Leu Ala
70             325              330              335
71 Ser Ile Thr Tyr Pro Pro Ser Ala Gly Arg Phe Leu Ala Ser Arg Leu
72             340              345              350
73 Ser Met Lys Gln His Leu Asp Ser Leu Phe Asp Asn His Ser Trp Ala
74     355              360              365
75 Leu Met Thr Gln Asn Ser Ser Pro Pro Trp Pro Glu Glu Leu Asp Pro
76     370              375              380
77 Gln His Leu Trp Trp Glu Trp Tyr His Pro Arg Phe Thr Ile Phe Gly
78 385              390              395              400
79 Thr Leu Ala Phe Phe Leu Val Met Lys Phe Trp Met Leu Ile Leu Ala
80             405              410              415
81 Thr Thr Ile Pro Met Pro Ala Gly Tyr Phe Met Pro Ile Phe Val Tyr
82             420              425              430
83 Gly Ala Ala Ile Gly Arg Leu Phe Gly Glu Thr Leu Ser Phe Ile Phe
84     435              440              445
85 Pro Glu Gly Ile Val Ala Gly Gly Ile Thr Asn Pro Ile Met Pro Gly
86     450              455              460
87 Gly Tyr Ala Leu Ala Gly Ala Ala Ala Phe Ser Gly Ala Val Thr His
88 465              470              475              480
89 Thr Ile Ser Thr Ala Leu Leu Ala Phe Glu Val Thr Gly Gln Ile Val
90             485              490              495
91 His Ala Leu Pro Val Leu Met Ala Val Leu Ala Ala Asn Ala Ile Ala
92             500              505              510
93 Gln Ser Cys Gln Pro Ser Phe Tyr Asp Gly Thr Val Ile Val Lys Lys
94     515              520              525
95 Leu Pro Tyr Leu Pro Arg Ile Leu Gly Arg Asn Ile Gly Ser His Arg
96     530              535              540
97 Val Arg Val Glu His Phe Met Asn His Ser Ile Thr Thr Leu Ala Lys
98 545              550              555              560
99 Asp Thr Pro Leu Glu Glu Val Val Lys Val Val Thr Ser Thr Asp Val
100             565              570              575
101 Ala Glu Tyr Pro Leu Val Glu Ser Thr Glu Ser Gln Ile Leu Val Gly
102             580              585              590
```

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```
103 Ile Val Arg Arg Ala Gln Leu Val Gln Ala Leu Lys Ala Glu Pro Pro
104         595                 600             605
105 Ser Trp Ala Pro Gly His Gln Gln Cys Leu Gln Asp Ile Leu Ala Ala
106     610                 615             620
107 Gly Cys Pro Thr Glu Pro Val Thr Leu Lys Leu Ser Pro Glu Thr Ser
108 625             630                 635             640
109 Leu His Glu Ala His Asn Leu Phe Glu Leu Leu Asn Leu His Ser Leu
110             645                 650             655
111 Phe Val Thr Ser Arg Gly Arg Ala Val Gly Cys Val Ser Trp Val Glu
112         660                 665             670
113 Met Lys Lys Ala Ile Ser Asn Leu Thr Asn Pro Pro Ala Pro Lys
114     675                 680             685
```

VERIFICATION SUMMARY   DATE: 12/21/2005
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